EUROGAS GmbH, Friedrich-Ebert-Str. 154A, 42117 Wuppertal

Safety Data Sheet

According to 1907/2006/EC

Revision: 15.04.08

Chemicals **HYDROCARBON RESIN HCR-105**

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 Identification of the substance or preparation: Hydrocarbon Resin HCR-105

1.2 Use of the substance or preparation: Hydrocarbon Resin HCR-105 is used in metallurgy

1.3. Company/ undertaker identification:

2. COMPOSITION /INFORMATION ON INGREDIENTS

2.1 Chemicals' Description: Product of thermal polymerization of hydrocarbon C9 unsaturated fraction

2.2 Ingredients: Polymer

2.3 CAS number: 71302-83-5 Hydrocarbons, C9-unsaturated, polymerized

2.4 Classification:
Not classified as hazardous material according to EEC Directive 67/548/EEC

3. HAZARDS IDENTIFICATION

3.1 Health hazard

3.1.1 Inhalation
As with other dust generating materials, excessive dust exposure may cause irritation of the respiratory tract. Symptoms may include cough, sneezing, mucous production and shortness of breath.

3.1.2 Eye Contact
Particulates/dust entering the eye can cause mechanical irritation. Eyes may become red, feel scratchy and tearing may occur.

3.1.3 Skin Contact:

3.1.3.1 Skin absorption
Although no appropriate human or animal health effects data are known to exist, this material is not expected to be a health hazard by skin absorption

3.1.4 Skin irritation
Prolonged skin contact may cause slight skin irritation. Molten product may cause thermal burns.

3.1.5 Ingestion
Not expected to present a significant ingestion hazard under anticipated conditions of normal use. However, if swallowed, seek medical advice.

3.2 Environmental precautions: no data available

3.3 Physical danger: Potential danger of the blast of dust

4. FIRST-AID MEASURES

General information: No special measures required

First aid:

Inhalation	Move to fresh air, consult doctor in case of symptoms (p.3.1.1)
Skin contact	Wash off the effected area with plenty of cold water.
Eye contact	Rinse immediately opened eye for several minutes under running water. Consult a doctor in case of symptoms (p.3.1.2)
Oral	Rinse out mouth with water. In case of persistent symptoms consult doctor

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing agents:	Carbon dioxide, dry powder, foam, water spray or sand
5.2 Precaution:	Avoid excess dust in the atmosphere since it is an explosive hazard in the presence of electrical sparks and static discharges. Earth all equipment.
5.3 Hazardous decomposition products:	Carbon monoxide, carbon dioxide may be released during thermal decomposition or in a fire involving this product

5.4 Special firefighting procedures:

Do Not fall into area of the fire without proper protection. (Refer to possible products of the decomposition p.5.3);

Avoid contact with molten product to prevent serious burns

6 ACCIDENTAL RELEASE MEASURES

6.1 General directions: Avoid forming dust. In case of dust avoid flammable sources.
6.2 Person-related safety precautions**:** Use the individual means of protection (p.8)

6.3 Measures for environmental protection: No special measures required.

6.4 Measures for cleaning/collecting: Pick up mechanically.

6.5 Precautions if material is spilled or released:
Material can create slipping hazard on any hard surface. Remove spilled material immediately from hard, smooth walking surfaces. Sweep/shovel contaminated material into suitable disposal containers.

6.6 Additional information: No dangerous substances are released

7. HANDLING AND STORAGE

General directions: This material is not expected to present a dust explosion hazard during normal transportation and storage operations.
Avoid excess dust in the atmosphere since this is an explosive hazard in the presence of electrical sparks and static discharges. Earth all equipment.

Electrical equipment should conform to the National Electric Code.

7.1 Handling:

7.1.1 General protective and hygienic measures:	The usual precautionary measures should be adhered to general rules for handling chemicals
7.1.2 Technical measure	Use local ventilation

7.2 Protection of environment measures required to protect the environment	For catch dust to use corresponding to equipment (e.g. use of filters or scrubbers on exhaust ventilation)
7.3 Storage:	Keep at temperature not exceeding 40^0C. Keep container away from the sun.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Precautionary and engineering measures	Avoid high dust concentration and provide ventilation where necessary.
8.2 Personal protection:	
8.2.1 Respiratory protection	Use suitable dust respirator if dust concentration is high.
8.2.2. Hand protection:	Protective gloves
8.2.3 Eyes protection:	Protective goggles
8.2.4 Skin protection:	Protective clothing and boots
8.3 Environmental exposure controls:	Avoid dust release to the environment

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, fractional composition 3 mm
Color:	Dark-brown - black
Odor:	Weak, characteristic
Density, g/sm^3:	1,05 -1,11
Molecular weight:	1000
Solubility in water:	Insoluble
Solubility in organic solvent	Well dissolve in aromatic hydrocarbon (The toluene, xylene and etc.)
Softening point, °C (R&B):	95-115
Flash point, °C:	>250
Ignition temperature, °C:	>460
Danger of explosion:	Dust can form explosive mixtures with air if exceeded concentration level 15 g/m3.

10. STABILITY AND REACTIVITY

10.1 Stability	The substance is stable under normal conditions.
10.2 Dangerous reactions	No dangerous reactions known
10.3 Dangerous products of decomposition	Unknown
10.4 Decomposition temperature, ^{0}C	>250

Dangerous products to decompositions not known

11. TOXICOLOGICAL INFORMATION

The basis for estimation: The information is based on given structures and toxicology of similar products

Acute toxicity	Specific symptoms in biological assay: LD50 (oral -white mouse) 10000 mg/kg

Primary irritant effect:	Skin: no irritations Eye: no irritation
Frequent irritant effect:	Skin: no irritation Eye: no irritation
Increasing to sensitivity:	No sensitizing effect known
Additional toxicological information:	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

Was Not researched, but possible expect:

12.1 Transformation and distribution in surrounding ambience: The solid material insoluble in water. No disadvantage effects are predicted

12.2 Ecotoxical effects: not hazardous for environment.

12.3 Biodegradability: product is not regarded as biodegradable.

13. DISPOSAL CONSIDERATIONS

13.1 Polluted packing is utilized in accordance with instruction and local legislation

13.2 SALVAGING DEPARTURE (REMAINDER)
Waste from Residues: The waste is collected and sent to landfill of hazardous waste.

14. TRANSPORT INFORMATION

14.1 According to Directive 67/548/EEC (1999/45/EC) Product are not classified as hazardous material, number UN has not, transport categorization RID, ADR and IMDG is not required

15. INFORMATION ON MARKING

Labeling according to 67/548 EEC directives /Ordinance on Hazardous Substances is not required.

16. OTHER INFORMATION

This data is based on our present knowledge. Information is only made as directions for safe operating, handling, storing, transporting and removing.